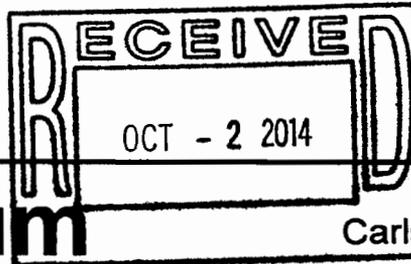




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United States Government



Department of Energy

**memorandum**

Carlsbad Field Office

Carlsbad, New Mexico 88221

DATE: OCT - 2 2014

REPLY TO  
ATTN OF: CBFO:QAD:DSM:RMS:14-1336:UFC 2300.00

SUBJECT: Recertification Audit A-15-02 of the SRS/CCP Transuranic Waste Characterization and Certification Program

to: Herbert M. Crapse, Jr., DOE-SR

Please be advised that an audit team from the U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) will conduct a recertification audit of the Savannah River Site Central Characterization Program (SRS/CCP) at the Skeen-Whitlock Building in Carlsbad, New Mexico, November 4-6, 2014. The SRS/CCP characterization activities for remote-handled Summary Category Group (SCG) S5000 debris waste and contact-handled SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris wastes will be evaluated during the audit. The audit will be conducted in accordance with the attached audit plan. Representatives from DOE/CBFO and the New Mexico Environment Department may be present to observe the audit.

Your representatives are requested to coordinate with the audit team to provide access to the SRS/CCP facilities and appropriate space to conduct meetings. Please arrange to have cognizant personnel available to support the audit and to provide access to appropriate documentation and records.

If you have any questions or comments concerning the audit, please contact me at (575) 234-7491.

Dennis S. Miehl  
Senior Quality Assurance Specialist

Attachment

141008



cc: w/attachment

J. Franco, CBFO	*ED
D. Bryson, CBFO	ED
M. Brown, CBFO	ED
J.R. Stroble, CBFO	ED
M. Navarrete, CBFO	ED
D. Moody, DOE-SR	ED
R. McQuinn, NWP	ED
J. Blankenhorn, NWP	ED
J. Harris, NWP	ED
F. Sharif, NWP/CCP	ED
D.E. Gulbransen, NWP/CCP	ED
V. Cannon, NWP/CCP	ED
A. J. Fisher, NWP/CCP	ED
I. Joo, NWP/CCP	ED
M. Walker, NWP/CCP	ED
W. Ledford, NWP/CCP	ED
J. Carter, NWP/CCP	ED
J. Hoff, NWP/QA	ED
B. Allen, NWP/QA	ED
S. Punchios, NWP/QA	ED
S. Escareno-Soto, NWP/QA	ED
T. Peake, EPA	ED
L. Bender, EPA	ED
E. Feltcorn, EPA	ED
R. Joglekar, EPA	ED
S. Ghose, EPA	ED
R. Lee, EPA	ED
J. Kieling, NMED	ED
S. Holmes, NMED	ED
R. Maestas, NMED	ED
C. Smith, NMED	ED
D. Winters, DNFSB	ED
V. Daub, CTAC	ED
R. Allen, CTAC	ED
P. Martinez, CTAC	ED
B. Pace, CTAC	ED
P.Y. Martinez, CTAC	ED
D. Harvill, CTAC	ED
G. White, CTAC	ED
Site Documents	ED
WWIS Database Administrators	ED
CBFO QA File	
CBFO M&RC	

\*ED denotes electronic distribution

**CARLSBAD FIELD OFFICE SRS/CCP  
RECERTIFICATION AUDIT PLAN**

**Audit Number:** A-15-02

**Organization:** Savannah River Site (SRS)  
Central Characterization Program (CCP)

**Organizations to Be Notified:** SRS  
Nuclear Waste Partnership LLC (NWP)  
U.S. Environmental Protection Agency  
Defense Nuclear Facilities Safety Board  
New Mexico Environment Department

**Date and Locations:** November 4 – 6, 2014  
Carlsbad, NM

**Audit Team:**

Dennis Miehls	Carlsbad Field Office (CBFO) Quality Assurance Management Representative
Priscilla Y. Martinez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Tammy Ackman	Auditor, CTAC (C6 QA, Records, NCRs, Training)
Rick Castillo	Auditor, CTAC (QA/NDA/DTC)
Katie Martin	Auditor, CTAC (QA/RTR/VE)
Mike Noland	Auditor, CTAC (QA/AK)
Berry Pace	Auditor, CTAC (Program Status)
Dick Blauvelt	Technical Specialist, CTAC (AK, Waste Certification)
Paul Gomez	Technical Specialist, CTAC (PL/FGA)
Porf Martinez	Technical Specialist, CTAC (RTR/VE)
Jim Oliver	Technical Specialist, CTAC (NDA/DTC/PDP)
Jim Schuetz	Technical Specialist, CTAC (WWIS/WDS)
Greg Knox	Technical Specialist in training, CTAC (RTR)
Judith Stewart	Technical Specialist in training, CTAC (AK)

**Audit Scope:**

The audit team will evaluate the continued adequacy, implementation, and effectiveness of the SRS/CCP waste characterization processes for remote-handled (RH) Summary Category Group (SCG) S5000 debris waste and contact-handled (CH) SCGs S3000 homogeneous solids, S4000 soils/gravel, and S5000 debris waste. The audit team will also evaluate the SRS/CCP program for meeting both technical and quality assurance (QA) requirements.

**Activities to Be Audited:**

The following areas from Attachment C6, Section C6-3 of the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit will be audited:

Results of Previous Audits  
Changes in Programs or Operations  
New Programs or Activities Being Implemented  
Changes in Key Personnel

**QA Elements:**

Personnel Qualification and Training  
Documents and Records  
Nonconformances

**Technical Elements:**

Acceptable Knowledge (AK), including waste certification (i.e., Waste Stream Profile Forms)  
Project-level Data Validation and Verification (PL V&V)  
Dose-to-Curie (DTC)  
Flammable Gas Analysis (FGA)  
Non-destructive Assay (NDA) and participation in Performance Demonstration Program (PDP)  
Real-time Radiography (RTR)  
Visual Examination (VE)  
WIPP Waste Information System/Waste Data System (WWIS/WDS)

For additional details, see Attachment 1 of the processes and equipment to be reviewed during Audit A-15-02 of SRS/CCP.

**Governing Documents/Requirements:**

Evaluation of adequacy of SRS/CCP documents will be based on the current revisions of the following documents:

- *CBFO Quality Assurance Program Document, DOE/CBFO-94-1012*
- *Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM4890139088-TSDF*
- *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant, DOE/WIPP-02-3122*
- *Remote-Handled TRU Waste Characterization Program Implementation Plan, DOE/WIPP-02-3214*

Programmatic and technical checklists will be developed from the current revisions of the following documents:

- *CCP Transuranic Waste Characterization Quality Assurance Project Plan, CCP-PO-001*
- *CCP Transuranic Waste Certification Plan, CCP-PO-002*

- Related NWP SRS/CCP QA and technical implementing procedures

**Schedule of Audit Activities:**

A pre-audit conference is scheduled for 8:30 a.m., Tuesday, November 4, 2014, Skeen Whitlock Building, Room T-224.

Audit team caucuses will be held at 4:00 p.m., Tuesday and Wednesday, November 4 and 5, 2014, and at 1:00 p.m. on Thursday, November 6, 2014.

The audit team leader will meet with SRS/CCP management to discuss audit concerns and audit progress at 8:30 a.m. daily, Wednesday and Thursday, November 5 and 6, 2014.

A post-audit conference is scheduled for 2:00 p.m., Thursday, November 6, 2014, Skeen Whitlock Building, Room T-224.

Audit activities will be conducted in Carlsbad, New Mexico.

Approved By: Priscilla Y. Martinez  
Priscilla Y. Martinez  
CTAC Audit Team Leader

Date: 9-30-14

Approved By: Michael R. Brown  
Michael R. Brown, Director  
CBFO Quality Assurance Division

Date: 9/30/14

**Processes and Equipment To Be Reviewed During Audit A-15-02 of the NWP SRS/CCP**

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
<b>NEW PROCESSES OR EQUIPMENT</b>				
	N/A			
<b>PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT</b>				
1NABC1	Nondestructive Assay Procedures – CCP-TP-189 and CCP-TP-191 Description – Box Segmented Gamma System (BSGS) and Box Neutron Assay System (BNAS), Five Foot Setback Configuration	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES
1LCNDE	Real-time Radiography Procedure – CCP-TP-053 and CCP-TP-074 Description – Large Container Non-Destructive Examination (LCNDE) Unit – standard waste boxes (SWBs) and SLB2s	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	NO
1RR4	Real-time Radiography Procedure – CCP-TP-053 and CCP-TP-145 Description – RTR-4, 55-gallon drums and standard waste boxes (SWBs), Standard large box 2s (SLB2s)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	NO
VISUAL	Visual Examination Procedure – CCP-TP-113 and CCP-TP-163 Description – VE QC Check for RTR, VE in lieu of RTR, VET for Retrievably Stored Waste	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1RHVE1	Visual Examination Procedures – CCP-TP-163 and CCP-TP-500 Description – Visual Examination of Records for Remote-Handled for Waste Stream SR-RH-SDD.01 only	Debris (S5000)	YES	YES
1DTC1	Dose-to-Curie Procedure – CCP-TP-504 Description – Radiological Characterization	Debris (S5000)	N/A	YES

**Processes and Equipment To Be Reviewed During Audit A-15-02 of the NWP SRS/CCP**

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
N/A	Acceptable Knowledge (AK)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Data Generation and Project Level Validation and Verification (V&V)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	WIPP Waste Information System/Waste Data System (WWIS/WDS)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Quality Assurance Program	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES